

Appendix: Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title		Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
		Number		Percent distribution		Number	Percent		
		2004	2014	2004	2014				
00-0000	Total, all occupations	145,612	164,540	100.0	100.0	18,928	13.0	54,680	
11-1300	Management, business, and financial occupations ²	14,987	17,142	10.3	10.4	2,155	14.4	4,920	
11-0000	Management occupations	9,115	10,147	6.3	6.2	1,032	11.3	2,757	
11-1000	Top executives	2,317	2,692	1.6	1.6	375	16.2	808	
11-1011	Chief executives	444	510	0.3	0.3	66	14.9	150	
11-1021	General and operations managers	1,807	2,115	1.2	1.3	308	17.0	649	
11-1031	Legislators	66	67	0.0	0.0	1	2.0	10	
11-2000	Advertising, marketing, promotions, public relations, and sales managers	646	777	0.4	0.5	131	20.3	249	
11-2011	Advertising and promotions managers	64	77	0.0	0.0	13	20.3	25	
11-2020	Marketing and sales managers	525	630	0.4	0.4	105	20.1	202	
11-2021	Marketing managers	188	228	0.1	0.1	39	20.8	74	
11-2022	Sales managers	337	403	0.2	0.2	66	19.7	128	
11-2031	Public relations managers	58	70	0.0	0.0	12	21.7	22	
11-3000	Operations specialties managers	1,561	1,807	1.1	1.1	246	15.8	517	
11-3011	Administrative services managers	268	314	0.2	0.2	45	16.9	97	
11-3021	Computer and information systems managers	280	353	0.2	0.2	73	25.9	124	
11-3031	Financial managers	528	606	0.4	0.4	78	14.8	154	
11-3040	Human resources managers	157	189	0.1	0.1	32	20.3	58	
11-3041	Compensation and benefits managers	57	70	0.0	0.0	12	21.5	22	
11-3042	Training and development managers	37	47	0.0	0.0	10	25.9	16	
11-3049	Human resources managers, all other	62	72	0.0	0.0	10	15.9	20	
11-3051	Industrial production managers	160	162	0.1	0.1	1	0.8	32	
11-3061	Purchasing managers	75	80	0.1	0.0	5	7.0	21	
11-3071	Transportation, storage, and distribution managers	92	104	0.1	0.1	12	12.7	30	
11-9000	Other management occupations	4,591	4,870	3.2	3.0	280	6.1	1,183	
11-9010	Agricultural managers	1,285	1,139	0.9	0.7	-146	-11.3	109	
11-9011	Farm, ranch, and other agricultural managers	220	229	0.2	0.1	9	4.0	47	
11-9012	Farmers and ranchers	1,065	910	0.7	0.6	-155	-14.5	63	
11-9021	Construction managers	431	475	0.3	0.3	45	10.4	123	
11-9030	Education administrators	442	515	0.3	0.3	73	16.6	183	
11-9031	Education administrators, preschool and child care center/program	58	75	0.0	0.0	16	27.9	31	
11-9032	Education administrators, elementary and secondary school	225	249	0.2	0.2	24	10.4	80	
11-9033	Education administrators, postsecondary	132	160	0.1	0.1	28	21.3	61	
11-9039	Education administrators, all other	26	31	0.0	0.0	5	20.3	12	
11-9041	Engineering managers	190	215	0.1	0.1	25	13.0	63	
11-9051	Food service managers	371	414	0.3	0.3	43	11.5	103	
11-9061	Funeral directors	30	32	0.0	0.0	2	6.7	10	
11-9071	Gaming managers	4	5	0.0	0.0	1	22.6	2	
11-9081	Lodging managers	58	68	0.0	0.0	10	16.6	19	
11-9111	Medical and health services managers	248	305	0.2	0.2	57	22.8	105	
11-9121	Natural sciences managers	42	48	0.0	0.0	6	13.6	14	
11-9131	Postmasters and mail superintendents	26	26	0.0	0.0	0	0	5	
11-9141	Property, real estate, and community association managers	361	416	0.2	0.3	55	15.3	123	
11-9151	Social and community service managers	134	169	0.1	0.1	34	25.5	60	
11-9199	Managers, all other	969	1,045	0.7	0.6	76	7.8	265	
13-0000	Business and financial operations occupations	5,873	6,996	4.0	4.3	1,123	19.1	2,163	
13-1000	Business operations specialists	3,375	4,054	2.3	2.5	679	20.1	1,276	
13-1011	Agents and business managers of artists, performers, and athletes	21	23	0.0	0.0	2	11.8	7	
13-1020	Buyers and purchasing agents	445	482	0.3	0.3	36	8.1	151	
13-1021	Purchasing agents and buyers, farm products	16	17	0.0	0.0	1	7.0	6	
13-1022	Wholesale and retail buyers, except farm products	156	169	0.1	0.1	13	8.4	54	
13-1023	Purchasing agents, except wholesale, retail, and farm products	273	296	0.2	0.2	22	8.1	90	
13-1030	Claims adjusters, appraisers, examiners, and investigators	263	303	0.2	0.2	40	15.1	72	
13-1031	Claims adjusters, examiners, and investigators	250	288	0.2	0.2	38	15.1	69	
13-1032	Insurance appraisers, auto damage	13	15	0.0	0.0	2	16.6	4	
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	177	197	0.1	0.1	21	11.6	62	
13-1051	Cost estimators	198	234	0.1	0.1	36	18.2	80	
13-1061	Emergency management specialists	10	13	0.0	0.0	2	22.8	5	
13-1070	Human resources, training, and labor relations specialists	663	823	0.5	0.5	161	24.2	265	
13-1071	Employment, recruitment, and placement specialists	182	237	0.1	0.1	55	30.5	83	

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	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
13-1072 Compensation, benefits, and job analysis specialists	99	119	0.1	0.1	20	20.4	35	
13-1073 Training and development specialists	216	261	0.1	0.2	45	20.8	78	
13-1079 Human resources, training, and labor relations specialists, all other	166	206	0.1	0.1	40	24.1	68	
13-1081 Logisticians	53	60	0.0	0.0	7	13.2	16	
13-1111 Management analysts	605	727	0.4	0.4	122	20.1	204	
13-1121 Meeting and convention planners	43	52	0.0	0.0	10	22.2	19	
13-1199 Business operation specialists, all other	897	1,139	0.6	0.7	242	27.0	395	
13-2000 Financial specialists	2,497	2,941	1.7	1.8	444	17.8	887	
13-2011 Accountants and auditors	1,176	1,440	0.8	0.9	264	22.4	486	
13-2021 Appraisers and assessors of real estate	102	125	0.1	0.1	23	22.8	45	
13-2031 Budget analysts	58	65	0.0	0.0	8	13.5	17	
13-2041 Credit analysts	68	70	0.0	0.0	2	3.6	13	
13-2050 Financial analysts and advisors	456	539	0.3	0.3	83	18.2	151	
13-2051 Financial analysts	197	231	0.1	0.1	34	17.3	63	
13-2052 Personal financial advisors	158	199	0.1	0.1	41	25.9	61	
13-2053 Insurance underwriters	101	109	0.1	0.1	8	8.0	26	
13-2061 Financial examiners	24	27	0.0	0.0	2	9.5	8	
13-2070 Loan counselors and officers	325	355	0.2	0.2	30	9.2	82	
13-2071 Loan counselors	34	40	0.0	0.0	6	17.7	11	
13-2072 Loan officers	291	315	0.2	0.2	24	8.3	71	
13-2080 Tax examiners, collectors, preparers, and revenue agents	162	175	0.1	0.1	13	8.0	45	
13-2081 Tax examiners, collectors, and revenue agents	76	80	0.1	0.0	4	5.1	21	
13-2082 Tax preparers	86	95	0.1	0.1	9	10.6	23	
13-2099 Financial specialists, all other	127	145	0.1	0.1	18	14.4	40	
15-2900 Professional and related occupations ³	28,544	34,590	19.6	21.0	6,046	21.2	11,516	
15-0000 Computer and mathematical science occupations	3,153	4,120	2.2	2.5	967	30.7	1,389	
15-1000 Computer specialists	3,046	4,003	2.1	2.4	957	31.4	1,350	
15-1011 Computer and information scientists, research	22	28	0.0	0.0	6	25.6	8	
15-1021 Computer programmers	455	464	0.3	0.3	9	2.0	117	
15-1030 Computer software engineers	800	1,169	0.5	0.7	369	46.1	448	
15-1031 Computer software engineers, applications	460	682	0.3	0.4	222	48.4	268	
15-1032 Computer software engineers, systems software	340	486	0.2	0.3	146	43.0	180	
15-1041 Computer support specialists	518	638	0.4	0.4	119	23.0	183	
15-1051 Computer systems analysts	487	640	0.3	0.4	153	31.4	208	
15-1061 Database administrators	104	144	0.1	0.1	40	38.2	51	
15-1071 Network and computer systems administrators	278	385	0.2	0.2	107	38.4	138	
15-1081 Network systems and data communications analysts	231	357	0.2	0.2	126	54.6	153	
15-1099 Computer specialists, all other	149	177	0.1	0.1	28	19.0	45	
15-2000 Mathematical science occupations	107	117	0.1	0.1	10	9.7	39	
15-2011 Actuaries	18	22	0.0	0.0	4	23.2	12	
15-2021 Mathematicians	3	3	0.0	0.0	0	-1.3	1	
15-2031 Operations research analysts	58	62	0.0	0.0	5	8.4	17	
15-2041 Statisticians	19	20	0.0	0.0	1	4.6	6	
15-2090 Miscellaneous mathematical science occupations	10	11	0.0	0.0	1	5.7	3	
15-2091 Mathematical technicians	2	2	0.0	0.0	0	3.4	0	
15-2099 Mathematical scientists, all other	9	9	0.0	0.0	1	6.2	2	
17-0000 Architecture and engineering occupations	2,520	2,835	1.7	1.7	315	12.5	876	
17-1000 Architects, surveyors, and cartographers	220	258	0.2	0.2	38	17.1	78	
17-1010 Architects, except naval	154	181	0.1	0.1	27	17.7	45	
17-1011 Architects, except landscape and naval	129	151	0.1	0.1	22	17.3	37	
17-1012 Landscape architects	25	30	0.0	0.0	5	19.4	8	
17-1020 Surveyors, cartographers, and photogrammetrists	67	77	0.0	0.0	11	15.8	33	
17-1021 Cartographers and photogrammetrists	11	12	0.0	0.0	2	15.3	5	
17-1022 Surveyors	56	65	0.0	0.0	9	15.9	28	
17-2000 Engineers	1,449	1,644	1.0	1.0	195	13.4	507	
17-2011 Aerospace engineers	76	82	0.1	0.0	6	8.3	25	
17-2021 Agricultural engineers	3	4	0.0	0.0	0	12.0	2	
17-2031 Biomedical engineers	10	13	0.0	0.0	3	30.7	5	
17-2041 Chemical engineers	31	34	0.0	0.0	3	10.6	12	
17-2051 Civil engineers	237	276	0.2	0.2	39	16.5	77	
17-2061 Computer hardware engineers	77	84	0.1	0.1	8	10.1	20	
17-2070 Electrical and electronics engineers	299	331	0.2	0.2	32	10.8	91	

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17-2071 Electrical engineers	156	174	0.1	0.1	18	11.8	49	
17-2072 Electronics engineers, except computer	143	157	0.1	0.1	14	9.7	42	
17-2081 Environmental engineers	49	64	0.0	0.0	15	30.0	23	
17-2110 Industrial engineers, including health and safety	203	235	0.1	0.1	32	15.7	81	
17-2111 Health and safety engineers, except mining safety engineers and inspectors	27	30	0.0	0.0	4	13.4	10	
17-2112 Industrial engineers	177	205	0.1	0.1	28	16.0	71	
17-2121 Marine engineers and naval architects	7	7	0.0	0.0	1	8.5	4	
17-2131 Materials engineers	21	24	0.0	0.0	3	12.2	8	
17-2141 Mechanical engineers	226	251	0.2	0.2	25	11.1	87	
17-2151 Mining and geological engineers, including mining safety engineers	5	5	0.0	0.0	0	-1.5	2	
17-2161 Nuclear engineers	17	19	0.0	0.0	1	7.3	6	
17-2171 Petroleum engineers	16	16	0.0	0.0	0	-0.1	5	
17-2199 Engineers, all other	172	198	0.1	0.1	27	15.4	59	
17-3000 Drafters, engineering, and mapping technicians	851	933	0.6	0.6	82	9.7	291	
17-3010 Drafters	254	267	0.2	0.2	13	5.3	84	
17-3011 Architectural and civil drafters	110	115	0.1	0.1	5	4.6	36	
17-3012 Electrical and electronics drafters	38	38	0.0	0.0	0	1.2	11	
17-3013 Mechanical drafters	82	87	0.1	0.1	4	5.5	28	
17-3019 Drafters, all other	24	27	0.0	0.0	3	14.0	9	
17-3020 Engineering technicians, except drafters	532	595	0.4	0.4	63	11.8	177	
17-3021 Aerospace engineering and operations technicians	10	10	0.0	0.0	1	8.5	3	
17-3022 Civil engineering technicians	94	107	0.1	0.1	13	14.1	33	
17-3023 Electrical and electronic engineering technicians	182	199	0.1	0.1	18	9.8	56	
17-3024 Electro-mechanical technicians	19	21	0.0	0.0	2	9.7	6	
17-3025 Environmental engineering technicians	20	25	0.0	0.0	5	24.4	9	
17-3026 Industrial engineering technicians	69	76	0.0	0.0	7	10.5	22	
17-3027 Mechanical engineering technicians	48	54	0.0	0.0	6	12.3	16	
17-3029 Engineering technicians, except drafters, all other	91	102	0.1	0.1	11	12.3	33	
17-3031 Surveying and mapping technicians	65	71	0.0	0.0	6	9.6	30	
19-0000 Life, physical, and social science occupations	1,316	1,532	0.9	0.9	216	16.4	531	
19-1000 Life scientists	232	280	0.2	0.2	48	20.8	103	
19-1010 Agricultural and food scientists	30	34	0.0	0.0	4	12.8	9	
19-1011 Animal scientists	3	3	0.0	0.0	0	12.9	1	
19-1012 Food scientists and technologists	11	12	0.0	0.0	1	10.9	3	
19-1013 Soil and plant Scientists	17	19	0.0	0.0	2	13.9	5	
19-1020 Biological scientists	77	90	0.1	0.1	13	17.0	37	
19-1021 Biochemists and biophysicists	16	20	0.0	0.0	3	21.0	8	
19-1022 Microbiologists	15	18	0.0	0.0	3	17.2	7	
19-1023 Zoologists and wildlife biologists	16	19	0.0	0.0	2	13.0	7	
19-1029 Biological scientists, all other	29	34	0.0	0.0	5	17.0	14	
19-1030 Conservation scientists and foresters	32	34	0.0	0.0	2	6.5	11	
19-1031 Conservation scientists	19	20	0.0	0.0	1	6.3	7	
19-1032 Foresters	13	14	0.0	0.0	1	6.7	5	
19-1040 Medical scientists	77	103	0.1	0.1	26	33.6	40	
19-1041 Epidemiologists	5	6	0.0	0.0	1	26.2	2	
19-1042 Medical scientists, except epidemiologists	72	97	0.0	0.1	25	34.1	37	
19-1099 Life scientists, all other	15	19	0.0	0.0	3	20.6	6	
19-2000 Physical scientists	250	281	0.2	0.2	30	12.2	94	
19-2010 Astronomers and physicists	16	17	0.0	0.0	1	7.1	6	
19-2011 Astronomers	1	1	0.0	0.0	0	10.4	0	
19-2012 Physicists	15	16	0.0	0.0	1	7.0	6	
19-2021 Atmospheric and space scientists	7	9	0.0	0.0	1	16.5	4	
19-2030 Chemists and materials scientists	90	96	0.1	0.1	7	7.3	36	
19-2031 Chemists	82	88	0.1	0.1	6	7.3	33	
19-2032 Materials scientists	8	8	0.0	0.0	1	8.0	3	
19-2040 Environmental scientists and geoscientists	109	126	0.1	0.1	17	15.9	37	
19-2041 Environmental scientists and specialists, including health	73	86	0.1	0.1	13	17.1	26	
19-2042 Geoscientists, except hydrologists and geographers	28	30	0.0	0.0	2	8.3	7	
19-2043 Hydrologists	8	11	0.0	0.0	3	31.6	4	
19-2099 Physical scientists, all other	29	33	0.0	0.0	4	14.6	11	
19-3000 Social scientists and related occupations	492	580	0.3	0.4	88	17.9	209	
19-3011 Economists	13	13	0.0	0.0	1	5.6	4	
19-3020 Market and survey researchers	212	255	0.1	0.2	43	20.2	98	

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19-3021 Market research analysts	190	227	0.1	0.1	37	19.6	86	
19-3022 Survey researchers	22	28	0.0	0.0	6	25.9	12	
19-3030 Psychologists	179	212	0.1	0.1	33	18.7	72	
19-3031 Clinical, counseling, and school psychologists	167	199	0.1	0.1	32	19.1	68	
19-3032 Industrial-organizational psychologists	2	3	0.0	0.0	0	20.4	1	
19-3039 Psychologists, all other	10	11	0.0	0.0	1	9.9	3	
19-3041 Sociologists	5	5	0.0	0.0	0	4.7	2	
19-3051 Urban and regional planners	32	37	0.0	0.0	5	15.2	16	
19-3090 Miscellaneous social scientists and related workers	51	57	0.0	0.0	6	11.8	17	
19-3091 Anthropologists and archeologists	5	6	0.0	0.0	1	17.0	2	
19-3092 Geographers	1	1	0.0	0.0	0	6.8	0	
19-3093 Historians	3	3	0.0	0.0	0	4.3	1	
19-3094 Political scientists	5	5	0.0	0.0	0	7.3	1	
19-3099 Social scientists and related workers, all other	38	42	0.0	0.0	5	12.3	13	
19-4000 Life, physical, and social science technicians	342	391	0.2	0.2	49	14.4	126	
19-4011 Agricultural and food science technicians	23	26	0.0	0.0	3	13.4	7	
19-4021 Biological technicians	64	75	0.0	0.0	11	17.2	22	
19-4031 Chemical technicians	62	65	0.0	0.0	3	4.4	18	
19-4041 Geological and petroleum technicians	11	12	0.0	0.0	1	6.5	3	
19-4051 Nuclear technicians	7	8	0.0	0.0	1	13.7	3	
19-4061 Social science research assistants	18	21	0.0	0.0	3	17.4	7	
19-4090 Other life, physical, and social science technicians	157	184	0.1	0.1	27	17.5	64	
19-4091 Environmental science and protection technicians, including health	31	36	0.0	0.0	5	16.3	12	
19-4092 Forensic science technicians	10	13	0.0	0.0	4	36.4	6	
19-4093 Forest and conservation technicians	33	35	0.0	0.0	2	6.6	10	
19-4099 Life, physical, and social science technicians, all other	83	100	0.1	0.1	17	20.0	36	
21-0000 Community and social services occupations	2,317	2,800	1.6	1.7	483	20.8	928	
21-1000 Counselors, social workers, and other community and social service specialists	1,755	2,165	1.2	1.3	410	23.4	749	
21-1010 Counselors	601	729	0.4	0.4	128	21.3	264	
21-1011 Substance abuse and behavioral disorder counselors	76	98	0.1	0.1	22	28.7	39	
21-1012 Educational, vocational, and school counselors	248	285	0.2	0.2	37	14.8	94	
21-1013 Marriage and family therapists	24	30	0.0	0.0	6	25.4	12	
21-1014 Mental health counselors	96	122	0.1	0.1	26	27.2	48	
21-1015 Rehabilitation counselors	131	162	0.1	0.1	31	23.9	61	
21-1019 Counselors, all other	25	31	0.0	0.0	6	23.1	10	
21-1020 Social workers	562	686	0.4	0.4	124	22.0	221	
21-1021 Child, family, and school social workers	272	324	0.2	0.2	52	19.0	98	
21-1022 Medical and public health social workers	110	139	0.1	0.1	29	25.9	48	
21-1023 Mental health and substance abuse social workers	116	147	0.1	0.1	31	26.7	51	
21-1029 Social workers, all other	64	76	0.0	0.0	12	19.6	24	
21-1090 Miscellaneous community and social service specialists	592	751	0.4	0.5	159	26.8	264	
21-1091 Health educators	49	60	0.0	0.0	11	22.5	20	
21-1092 Probation officers and correctional treatment specialists	93	105	0.1	0.1	12	12.8	28	
21-1093 Social and human service assistants	352	456	0.2	0.3	104	29.7	166	
21-1099 Community and social service specialists, all other	98	129	0.1	0.1	31	31.9	50	
21-2000 Religious workers	562	635	0.4	0.4	73	12.9	178	
21-2011 Clergy	422	474	0.3	0.3	52	12.4	139	
21-2021 Directors, religious activities and education	90	107	0.1	0.1	17	18.5	27	
21-2099 Religious workers, all other	50	54	0.0	0.0	4	7.4	13	
23-0000 Legal occupations	1,220	1,414	0.8	0.9	194	15.9	336	
23-1000 Lawyers, judges, and related workers	783	897	0.5	0.5	114	14.6	215	
23-1011 Lawyers	735	845	0.5	0.5	110	15.0	205	
23-1020 Judges, magistrates, and other judicial workers	47	52	0.0	0.0	4	8.9	10	
23-1021 Administrative law judges, adjudicators, and hearing officers	16	17	0.0	0.0	2	10.1	4	
23-1022 Arbitrators, mediators, and conciliators	5	6	0.0	0.0	1	15.5	1	
23-1023 Judges, magistrate judges, and magistrates	27	28	0.0	0.0	2	6.9	5	
23-2000 Legal support workers	437	517	0.3	0.3	80	18.2	121	
23-2011 Paralegals and legal assistants	224	291	0.2	0.2	67	29.7	85	
23-2090 Miscellaneous legal support workers	213	226	0.1	0.1	13	6.1	36	
23-2091 Court reporters	18	21	0.0	0.0	3	14.8	5	
23-2092 Law clerks	51	55	0.0	0.0	4	7.7	9	
23-2093 Title examiners, abstractors, and searchers	61	62	0.0	0.0	1	0.9	7	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
23-2099 Legal support workers, all other	83	89	0.1	0.1	6	7.1	15	
25-0000 Education, training, and library occupations	8,698	10,438	6.0	6.3	1,740	20.0	3,558	
25-1000 Postsecondary teachers	1,628	2,153	1.1	1.3	524	32.2	892	
25-2000 Primary, secondary, and special education teachers	4,270	5,051	2.9	3.1	781	18.3	1,739	
25-2010 Preschool and kindergarten teachers	601	782	0.4	0.5	181	30.1	252	
25-2011 Preschool teachers, except special education	431	573	0.3	0.3	143	33.1	194	
25-2012 Kindergarten teachers, except special education	171	209	0.1	0.1	38	22.4	59	
25-2020 Elementary and middle school teachers	2,102	2,453	1.4	1.5	351	16.7	815	
25-2021 Elementary school teachers, except special education	1,457	1,722	1.0	1.0	265	18.2	587	
25-2022 Middle school teachers, except special and vocational education	628	714	0.4	0.4	86	13.7	225	
25-2023 Vocational education teachers, middle school	17	16	0.0	0.0	0	-0.9	4	
25-2030 Secondary school teachers	1,126	1,283	0.8	0.8	157	14.0	474	
25-2031 Secondary school teachers, except special and vocational education	1,024	1,172	0.7	0.7	148	14.4	436	
25-2032 Vocational education teachers, secondary school	101	110	0.1	0.1	9	9.1	38	
25-2040 Special education teachers	441	534	0.3	0.3	92	20.9	197	
25-2041 Special education teachers, preschool, kindergarten, and elementary school	205	253	0.1	0.2	48	23.3	97	
25-2042 Special education teachers, middle school	98	118	0.1	0.1	19	19.9	43	
25-2043 Special education teachers, secondary school	138	163	0.1	0.1	25	17.9	58	
25-3000 Other teachers and instructors	977	1,150	0.7	0.7	173	17.7	293	
25-3011 Adult literacy, remedial education, and GED teachers and instructors ...	98	113	0.1	0.1	15	15.6	27	
25-3021 Self-enrichment education teachers	253	317	0.2	0.2	64	25.3	95	
25-3099 Teachers and instructors, all other	626	720	0.4	0.4	93	14.9	170	
25-4000 Librarians, curators, and archivists	308	336	0.2	0.2	28	9.1	117	
25-4010 Archivists, curators, and museum technicians	27	31	0.0	0.0	4	14.5	10	
25-4011 Archivists	6	7	0.0	0.0	1	13.4	2	
25-4012 Curators	10	12	0.0	0.0	2	15.7	4	
25-4013 Museum Technicians and Conservators	10	12	0.0	0.0	1	14.1	4	
25-4021 Librarians	159	167	0.1	0.1	8	4.9	46	
25-4031 Library technicians	122	138	0.1	0.1	16	13.4	61	
25-9000 Other education, training, and library occupations	1,515	1,748	1.0	1.1	233	15.4	517	
25-9011 Audio-visual collections specialists	9	11	0.0	0.0	2	18.6	3	
25-9021 Farm and home management advisors	16	17	0.0	0.0	1	7.7	4	
25-9031 Instructional coordinators	117	149	0.1	0.1	32	27.5	50	
25-9041 Teacher assistants	1,296	1,478	0.9	0.9	183	14.1	433	
25-9099 Education, training, and library workers, all other	77	92	0.1	0.1	16	20.5	27	
27-0000 Arts, design, entertainment, sports, and media occupations	2,515	2,890	1.7	1.8	375	14.9	851	
27-1000 Art and design occupations	780	880	0.5	0.5	100	12.8	221	
27-1010 Artists and related workers	208	234	0.1	0.1	26	12.4	71	
27-1011 Art directors	71	79	0.0	0.0	8	11.5	24	
27-1012 Craft artists	6	7	0.0	0.0	1	10.6	2	
27-1013 Fine artists, including painters, sculptors, and illustrators	29	32	0.0	0.0	3	10.2	9	
27-1014 Multi-media artists and animators	94	107	0.1	0.1	13	14.1	34	
27-1019 Artists and related workers, all other	9	9	0.0	0.0	1	10.0	2	
27-1020 Designers	572	645	0.4	0.4	74	12.9	151	
27-1021 Commercial and industrial designers	49	55	0.0	0.0	5	10.8	12	
27-1022 Fashion designers	17	18	0.0	0.0	1	8.4	4	
27-1023 Floral designers	98	108	0.1	0.1	10	10.3	23	
27-1024 Graphic designers	228	263	0.2	0.2	35	15.2	65	
27-1025 Interior designers	65	75	0.0	0.0	10	15.5	19	
27-1026 Merchandise displayers and window trimmers	86	95	0.1	0.1	9	10.3	20	
27-1027 Set and exhibit designers	13	14	0.0	0.0	1	9.3	3	
27-1029 Designers, all other	16	18	0.0	0.0	2	13.6	5	
27-2000 Entertainers and performers, sports and related occupations	732	856	0.5	0.5	124	16.9	271	
27-2010 Actors, producers, and directors	157	182	0.1	0.1	26	16.4	47	
27-2011 Actors	74	85	0.1	0.1	12	16.1	21	
27-2012 Producers and directors	83	97	0.1	0.1	14	16.6	26	
27-2020 Athletes, coaches, umpires, and related workers	212	255	0.1	0.2	43	20.4	84	
27-2021 Athletes and sports competitors	17	21	0.0	0.0	4	21.1	7	
27-2022 Coaches and scouts	178	215	0.1	0.1	36	20.4	71	
27-2023 Umpires, referees, and other sports officials	16	19	0.0	0.0	3	19.0	6	
27-2030 Dancers and choreographers	38	45	0.0	0.0	6	16.8	30	
27-2031 Dancers	19	22	0.0	0.0	3	16.8	15	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
27-2032 Choreographers	19	22	0.0	0.0	3	16.8	15	
27-2040 Musicians, singers, and related workers	249	282	0.2	0.2	33	13.2	85	
27-2041 Music directors and composers	60	66	0.0	0.0	6	10.4	19	
27-2042 Musicians and singers	189	216	0.1	0.1	26	14.0	66	
27-2099 Entertainers and performers, sports and related workers, all other	76	92	0.1	0.1	16	21.0	25	
27-3000 Media and communication occupations	710	821	0.5	0.5	111	15.6	253	
27-3010 Announcers	69	66	0.0	0.0	-3	-4.8	18	
27-3011 Radio and television announcers	57	54	0.0	0.0	-4	-6.5	15	
27-3012 Public address system and other announcers	12	12	0.0	0.0	0	3.8	3	
27-3020 News analysts, reporters and correspondents	64	67	0.0	0.0	3	4.8	19	
27-3021 Broadcast news analysts	8	8	0.0	0.0	0	4.3	2	
27-3022 Reporters and correspondents	56	59	0.0	0.0	3	4.9	16	
27-3031 Public relations specialists	188	231	0.1	0.1	43	22.9	70	
27-3040 Writers and editors	320	376	0.2	0.2	56	17.4	125	
27-3041 Editors	127	146	0.1	0.1	19	14.8	50	
27-3042 Technical writers	50	62	0.0	0.0	12	23.2	26	
27-3043 Writers and authors	142	167	0.1	0.1	25	17.7	50	
27-3090 Miscellaneous media and communications workers	70	82	0.0	0.1	12	17.5	21	
27-3091 Interpreters and translators	31	37	0.0	0.0	6	19.9	10	
27-3099 Media and communication workers, all other	39	46	0.0	0.0	6	15.7	11	
27-4000 Media and communication equipment occupations	293	334	0.2	0.2	41	14.0	105	
27-4010 Broadcast and sound engineering technicians and radio operators	95	109	0.1	0.1	14	14.5	37	
27-4011 Audio and video equipment technicians	46	55	0.0	0.0	8	18.1	20	
27-4012 Broadcast technicians	34	37	0.0	0.0	3	9.8	12	
27-4013 Radio operators	2	2	0.0	0.0	0	-12.9	0	
27-4014 Sound engineering technicians	13	16	0.0	0.0	2	18.4	6	
27-4021 Photographers	129	145	0.1	0.1	16	12.3	42	
27-4030 Television, video, and motion picture camera operators and editors	49	56	0.0	0.0	8	16.0	18	
27-4031 Camera operators, television, video, and motion picture	28	32	0.0	0.0	4	14.2	10	
27-4032 Film and video editors	20	24	0.0	0.0	4	18.6	8	
27-4099 Media and communication equipment workers, all other	19	23	0.0	0.0	3	17.0	7	
29-0000 Healthcare practitioners and technical occupations	6,805	8,561	4.7	5.2	1,756	25.8	3,047	
29-1000 Health diagnosing and treating practitioners	4,190	5,330	2.9	3.2	1,140	27.2	1,960	
29-1011 Chiropractors	53	64	0.0	0.0	12	22.4	22	
29-1020 Dentists	150	171	0.1	0.1	20	13.5	46	
29-1021 Dentists, general	128	145	0.1	0.1	17	13.5	39	
29-1022 Oral and maxillofacial surgeons	6	7	0.0	0.0	1	16.2	2	
29-1023 Orthodontists	10	11	0.0	0.0	1	12.8	3	
29-1024 Prosthodontists	1	1	0.0	0.0	0	13.6	0	
29-1029 Dentists, all other specialists	5	6	0.0	0.0	1	12.2	1	
29-1031 Dietitians and nutritionists	50	59	0.0	0.0	9	18.3	22	
29-1041 Optometrists	34	40	0.0	0.0	7	19.7	16	
29-1051 Pharmacists	230	287	0.2	0.2	57	24.6	101	
29-1060 Physicians and surgeons	567	702	0.4	0.4	136	24.0	212	
29-1071 Physician assistants	62	93	0.0	0.1	31	49.6	40	
29-1081 Podiatrists	10	12	0.0	0.0	2	16.2	4	
29-1111 Registered nurses	2,394	3,096	1.6	1.9	703	29.4	1,203	
29-1120 Therapists	509	647	0.3	0.4	138	27.1	237	
29-1121 Audiologists	10	11	0.0	0.0	1	9.1	3	
29-1122 Occupational therapists	92	123	0.1	0.1	31	33.6	43	
29-1123 Physical therapists	155	211	0.1	0.1	57	36.7	72	
29-1124 Radiation therapists	15	19	0.0	0.0	4	26.3	7	
29-1125 Recreational therapists	24	25	0.0	0.0	1	5.7	7	
29-1126 Respiratory therapists	94	120	0.1	0.1	27	28.4	57	
29-1127 Speech-language pathologists	96	110	0.1	0.1	14	14.6	38	
29-1129 Therapists, all other	24	28	0.0	0.0	4	15.0	9	
29-1131 Veterinarians	61	71	0.0	0.0	11	17.4	25	
29-1199 Health diagnosing and treating practitioners, all other	72	88	0.0	0.1	16	22.5	32	
29-2000 Health technologists and technicians	2,494	3,086	1.7	1.9	592	23.7	1,038	
29-2010 Clinical laboratory technologists and technicians	302	371	0.2	0.2	69	22.7	150	
29-2011 Medical and clinical laboratory technologists	156	188	0.1	0.1	32	20.5	74	
29-2012 Medical and clinical laboratory technicians	147	183	0.1	0.1	37	25.0	76	
29-2021 Dental hygienists	158	226	0.1	0.1	68	43.3	82	
29-2030 Diagnostic related technologists and technicians	287	363	0.2	0.2	75	26.3	129	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
29-2031	Cardiovascular technologists and technicians	45	60	0.0	0.0	15	32.6	23
29-2032	Diagnostic medical sonographers	42	57	0.0	0.0	15	34.8	23
29-2033	Nuclear medicine technologists	18	22	0.0	0.0	4	21.5	7
29-2034	Radiologic technologists and technicians	182	224	0.1	0.1	42	23.2	76
29-2041	Emergency medical technicians and paramedics	192	244	0.1	0.1	52	27.3	74
29-2050	Health diagnosing and treating practitioner support technicians	514	641	0.4	0.4	127	24.8	194
29-2051	Dietetic technicians	25	30	0.0	0.0	5	19.1	8
29-2052	Pharmacy technicians	258	332	0.2	0.2	74	28.6	107
29-2053	Psychiatric technicians	61	63	0.0	0.0	2	3.2	10
29-2054	Respiratory therapy technicians	25	26	0.0	0.0	1	3.3	4
29-2055	Surgical technologists	84	109	0.1	0.1	25	29.5	36
29-2056	Veterinary technologists and technicians	60	81	0.0	0.0	21	35.3	29
29-2061	Licensed practical and licensed vocational nurses	726	850	0.5	0.5	124	17.1	282
29-2071	Medical records and health information technicians	159	205	0.1	0.1	46	28.9	69
29-2081	Opticians, dispensing	66	75	0.0	0.0	9	13.6	21
29-2090	Miscellaneous health technologists and technicians	91	112	0.1	0.1	21	22.5	37
29-2091	Orthotists and prosthetists	6	7	0.0	0.0	1	18.0	2
29-2099	Healthcare technologists and technicians, all other	85	104	0.1	0.1	19	22.9	35
29-9000	Other healthcare practitioners and technical occupations	121	145	0.1	0.1	24	20.1	49
29-9010	Occupational health and safety specialists and technicians	51	58	0.0	0.0	7	13.5	18
29-9011	Occupational health and safety specialists	40	45	0.0	0.0	5	12.4	14
29-9012	Occupational health and safety technicians	12	14	0.0	0.0	2	17.1	5
29-9090	Miscellaneous health practitioners and technical workers	70	87	0.0	0.1	17	25.0	31
29-9091	Athletic trainers	15	19	0.0	0.0	4	29.3	8
29-9099	Healthcare practitioners and technical workers, all other	55	68	0.0	0.0	13	23.8	23
31-3900	Service occupations ⁴	27,673	32,930	19.0	20.0	5,257	19.0	13,210
31-0000	Healthcare support occupations	3,492	4,656	2.4	2.8	1,164	33.3	1,717
31-1000	Nursing, psychiatric, and home health aides	2,139	2,815	1.5	1.7	676	31.6	956
31-1011	Home health aides	624	974	0.4	0.6	350	56.0	431
31-1012	Nursing aides, orderlies, and attendants	1,455	1,781	1.0	1.1	325	22.3	516
31-1013	Psychiatric aides	59	61	0.0	0.0	1	2.3	9
31-2000	Occupational and physical therapist assistants and aides	128	178	0.1	0.1	49	38.5	70
31-2010	Occupational therapist assistants and aides	27	35	0.0	0.0	9	32.5	12
31-2011	Occupational therapist assistants	21	29	0.0	0.0	7	34.1	10
31-2012	Occupational therapist aides	5	7	0.0	0.0	1	26.3	2
31-2020	Physical therapist assistants and aides	101	142	0.1	0.1	41	40.1	58
31-2021	Physical therapist assistants	59	85	0.0	0.1	26	44.2	36
31-2022	Physical therapist aides	43	57	0.0	0.0	15	34.4	22
31-9000	Other healthcare support occupations	1,225	1,664	0.8	1.0	438	35.8	691
31-9011	Massage therapists	97	120	0.1	0.1	23	23.6	42
31-9090	Miscellaneous healthcare support occupations	1,129	1,544	0.8	0.9	415	36.8	650
31-9091	Dental assistants	267	382	0.2	0.2	114	42.7	189
31-9092	Medical assistants	387	589	0.3	0.4	202	52.1	273
31-9093	Medical equipment preparers	43	51	0.0	0.0	9	20.0	16
31-9094	Medical transcriptionists	105	129	0.1	0.1	24	23.3	44
31-9095	Pharmacy aides	50	59	0.0	0.0	9	17.4	18
31-9096	Veterinary assistants and laboratory animal caretakers	74	90	0.1	0.1	16	21.0	29
31-9099	Healthcare support workers, all other	202	244	0.1	0.1	42	20.9	80
33-0000	Protective service occupations	3,138	3,578	2.2	2.2	440	14.0	1,329
33-1000	First-line supervisors/managers, protective service workers	243	278	0.2	0.2	35	14.5	115
33-1010	First-line supervisors/managers, law enforcement workers	138	157	0.1	0.1	19	13.8	63
33-1011	First-line supervisors/managers of correctional officers	38	41	0.0	0.0	4	9.4	15
33-1012	First-line supervisors/managers of police and detectives	100	115	0.1	0.1	16	15.5	48
33-1021	First-line supervisors/managers of fire fighting and prevention workers	56	68	0.0	0.0	12	21.1	35
33-1099	First-line supervisors/managers, protective service workers, all other	50	54	0.0	0.0	4	8.7	17
33-2000	Fire fighting and prevention workers	297	365	0.2	0.2	68	22.9	155
33-2011	Fire fighters	282	351	0.2	0.2	69	24.3	150
33-2020	Fire inspectors	15	14	0.0	0.0	-1	-5.2	4
33-2021	Fire inspectors and investigators	13	12	0.0	0.0	-1	-5.5	4
33-2022	Forest fire inspectors and prevention specialists	2	2	0.0	0.0	0	-3.1	0
33-3000	Law enforcement workers	1,199	1,347	0.8	0.8	148	12.3	435
33-3010	Bailiffs, correctional officers, and jailers	447	478	0.3	0.3	31	7.0	124

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

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	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
33-3011 Bailiffs	18	20	0.0	0.0	2	13.2	6	
33-3012 Correctional officers and jailers	429	458	0.3	0.3	29	6.7	118	
33-3021 Detectives and criminal investigators	91	106	0.1	0.1	15	16.3	39	
33-3031 Fish and game wardens	7	8	0.0	0.0	1	10.5	3	
33-3041 Parking enforcement workers	11	12	0.0	0.0	2	15.1	4	
33-3050 Police officers	644	743	0.4	0.5	100	15.5	266	
33-3051 Police and sheriff's patrol officers	639	738	0.4	0.4	99	15.5	264	
33-3052 Transit and railroad police	5	5	0.0	0.0	0	9.2	1	
33-9000 Other protective service workers	1,399	1,588	1.0	1.0	189	13.5	624	
33-9011 Animal control workers	15	17	0.0	0.0	2	14.4	13	
33-9021 Private detectives and investigators	43	50	0.0	0.0	8	17.7	17	
33-9030 Security guards and gaming surveillance officers	1,025	1,155	0.7	0.7	130	12.7	353	
33-9031 Gaming surveillance officers and gaming investigators	9	11	0.0	0.0	2	24.5	4	
33-9032 Security guards	1,016	1,144	0.7	0.7	128	12.6	349	
33-9090 Miscellaneous protective service workers	316	366	0.2	0.2	50	15.8	242	
33-9091 Crossing guards	71	86	0.0	0.1	14	19.7	37	
33-9092 Lifeguards, ski patrol, and other recreational protective service workers	113	137	0.1	0.1	23	20.4	102	
33-9099 Protective service workers, all other	131	144	0.1	0.1	13	9.6	103	
35-0000 Food preparation and serving related occupations	10,739	12,453	7.4	7.6	1,714	16.0	5,981	
35-1000 Supervisors, food preparation and serving workers	898	1,047	0.6	0.6	149	16.6	370	
35-1011 Chefs and head cooks	125	146	0.1	0.1	21	16.7	58	
35-1012 First-line supervisors/managers of food preparation and serving workers	773	901	0.5	0.5	129	16.6	312	
35-2000 Cooks and food preparation workers	3,011	3,459	2.1	2.1	448	14.9	1,419	
35-2010 Cooks	2,122	2,395	1.5	1.5	272	12.8	930	
35-2011 Cooks, fast food	662	771	0.5	0.5	109	16.4	314	
35-2012 Cooks, institution and cafeteria	424	430	0.3	0.3	6	1.4	137	
35-2013 Cooks, private household	9	9	0.0	0.0	-1	-5.6	3	
35-2014 Cooks, restaurant	783	914	0.5	0.6	130	16.6	373	
35-2015 Cooks, short order	230	257	0.2	0.2	27	11.8	98	
35-2019 Cooks, all other	13	14	0.0	0.0	1	5.7	5	
35-2021 Food preparation workers	889	1,064	0.6	0.6	175	19.7	490	
35-3000 Food and beverage serving workers	5,530	6,440	3.8	3.9	911	16.5	3,555	
35-3011 Bartenders	474	545	0.3	0.3	70	14.8	258	
35-3020 Fast food and counter workers	2,614	3,062	1.8	1.9	448	17.1	1,683	
35-3021 Combined food preparation and serving workers, including fast food	2,150	2,516	1.5	1.5	367	17.1	1,298	
35-3022 Counter attendants, cafeteria, food concession, and coffee shop	465	546	0.3	0.3	81	17.5	385	
35-3031 Waiters and waitresses	2,252	2,627	1.5	1.6	376	16.7	1,534	
35-3041 Food servers, nonrestaurant	189	206	0.1	0.1	17	8.8	80	
35-9000 Other food preparation and serving related workers	1,301	1,507	0.9	0.9	206	15.9	636	
35-9011 Dining room and cafeteria attendants and bartender helpers	401	464	0.3	0.3	62	15.6	197	
35-9021 Dishwashers	507	587	0.3	0.4	80	15.8	251	
35-9031 Hosts and hostesses, restaurant, lounge, and coffee shop	328	381	0.2	0.2	53	16.3	157	
35-9099 Food preparation and serving related workers, all other	64	75	0.0	0.0	11	16.7	31	
37-0000 Building and grounds cleaning and maintenance occupations	5,582	6,530	3.8	4.0	948	17.0	2,062	
37-1000 Supervisors, building and grounds cleaning and maintenance workers	420	497	0.3	0.3	78	18.5	150	
37-1011 First-line supervisors/managers of housekeeping and janitorial workers	236	281	0.2	0.2	45	19.0	101	
37-1012 First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	184	217	0.1	0.1	33	17.8	50	
37-2000 Building cleaning and pest control workers	3,879	4,500	2.7	2.7	620	16.0	1,383	
37-2010 Building cleaning workers	3,811	4,418	2.6	2.7	608	16.0	1,360	
37-2011 Janitors and cleaners, except maids and housekeeping cleaners	2,374	2,813	1.6	1.7	440	18.5	890	
37-2012 Maids and housekeeping cleaners	1,422	1,587	1.0	1.0	165	11.6	464	
37-2019 Building cleaning workers, all other	15	18	0.0	0.0	3	19.8	6	
37-2021 Pest control workers	68	81	0.0	0.0	13	18.4	23	
37-3000 Grounds maintenance workers	1,283	1,533	0.9	0.9	250	19.4	529	
37-3010 Grounds maintenance workers	1,283	1,533	0.9	0.9	250	19.4	529	
37-3011 Landscaping and groundskeeping workers	1,177	1,407	0.8	0.9	230	19.5	486	
37-3012 Pesticide handlers, sprayers, and applicators, vegetation	30	34	0.0	0.0	5	16.6	11	
37-3013 Tree trimmers and pruners	55	64	0.0	0.0	9	16.5	21	
37-3019 Grounds maintenance workers, all other	21	27	0.0	0.0	6	26.3	10	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
39-0000 Personal care and service occupations	4,721	5,713	3.2	3.5	991	21.0	2,121	
39-1000 Supervisors, personal care and service workers	267	316	0.2	0.2	49	18.4	114	
39-1010 First-line supervisors/managers of gaming workers	61	72	0.0	0.0	11	18.8	24	
39-1011 Gaming supervisors	38	44	0.0	0.0	6	16.3	14	
39-1012 Slot key persons	23	28	0.0	0.0	5	23.0	10	
39-1021 First-line supervisors/managers of personal service workers	206	244	0.1	0.1	38	18.3	89	
39-2000 Animal care and service workers	172	214	0.1	0.1	42	24.3	83	
39-2011 Animal trainers	44	53	0.0	0.0	9	20.3	18	
39-2021 Nonfarm animal caretakers	128	161	0.1	0.1	33	25.6	65	
39-3000 Entertainment attendants and related workers	558	682	0.4	0.4	125	22.4	324	
39-3010 Gaming services workers	116	147	0.1	0.1	31	26.6	67	
39-3011 Gaming dealers	83	106	0.1	0.1	23	28.0	49	
39-3012 Gaming and sports book writers and runners	18	22	0.0	0.0	4	22.1	10	
39-3019 Gaming service workers, all other	15	19	0.0	0.0	4	24.2	8	
39-3021 Motion picture projectionists	12	11	0.0	0.0	-1	-9.9	6	
39-3031 Ushers, lobby attendants, and ticket takers	112	124	0.1	0.1	12	10.6	76	
39-3090 Miscellaneous entertainment attendants and related workers	318	401	0.2	0.2	83	26.2	175	
39-3091 Amusement and recreation attendants	252	322	0.2	0.2	70	28.0	143	
39-3092 Costume attendants	4	4	0.0	0.0	1	23.4	2	
39-3093 Locker room, coatroom, and dressing room attendants	25	29	0.0	0.0	4	17.3	11	
39-3099 Entertainment attendants and related workers, all other	38	45	0.0	0.0	8	20.0	19	
39-4000 Funeral service workers	38	46	0.0	0.0	8	19.7	16	
39-4011 Embalmers	9	10	0.0	0.0	1	15.6	3	
39-4021 Funeral attendants	30	36	0.0	0.0	6	20.8	12	
39-5000 Personal appearance workers	790	915	0.5	0.6	126	15.9	283	
39-5010 Barbers and cosmetologists	670	773	0.5	0.5	103	15.4	237	
39-5011 Barbers	60	65	0.0	0.0	5	8.2	22	
39-5012 Hairdressers, hairstylists, and cosmetologists	610	708	0.4	0.4	98	16.1	215	
39-5090 Miscellaneous personal appearance workers	120	142	0.1	0.1	23	18.9	46	
39-5091 Makeup artists, theatrical and performance	2	2	0.0	0.0	0	13.2	1	
39-5092 Manicurists and pedicurists	60	73	0.0	0.0	13	21.0	24	
39-5093 Shampooers	27	31	0.0	0.0	4	13.1	9	
39-5094 Skin care specialists	30	37	0.0	0.0	6	20.4	12	
39-6000 Transportation, tourism, and lodging attendants	248	287	0.2	0.2	39	15.6	87	
39-6010 Baggage porters, bellhops, and concierges	75	85	0.1	0.1	11	14.4	30	
39-6011 Baggage porters and bellhops	57	65	0.0	0.0	8	14.0	23	
39-6012 Concierges	18	21	0.0	0.0	3	16.0	8	
39-6020 Tour and travel guides	44	51	0.0	0.0	7	15.7	18	
39-6021 Tour guides and escorts	38	44	0.0	0.0	6	16.6	16	
39-6022 Travel guides	6	6	0.0	0.0	1	9.6	2	
39-6030 Transportation attendants	130	151	0.1	0.1	21	16.2	38	
39-6031 Flight attendants	102	119	0.1	0.1	17	16.3	30	
39-6032 Transportation attendants, except flight attendants and baggage porters	28	32	0.0	0.0	4	15.9	8	
39-9000 Other personal care and service workers	2,648	3,252	1.8	2.0	604	22.8	1,215	
39-9011 Child care workers	1,280	1,456	0.9	0.9	176	13.8	525	
39-9021 Personal and home care aides	701	988	0.5	0.6	287	41.0	400	
39-9030 Recreation and fitness workers	514	623	0.4	0.4	109	21.2	227	
39-9031 Fitness trainers and aerobics instructors	205	260	0.1	0.2	55	27.1	102	
39-9032 Recreation workers	310	363	0.2	0.2	54	17.3	125	
39-9041 Residential advisors	56	72	0.0	0.0	16	28.9	28	
39-9099 Personal care and service workers, all other	96	112	0.1	0.1	15	15.9	36	
41-0000 Sales and related occupations	15,330	16,806	10.5	10.2	1,476	9.6	6,491	
41-1000 Supervisors, sales workers	2,183	2,256	1.5	1.4	74	3.4	471	
41-1011 First-line supervisors/managers of retail sales workers	1,667	1,731	1.1	1.1	64	3.8	363	
41-1012 First-line supervisors/managers of non-retail sales workers	516	526	0.4	0.3	10	1.9	107	
41-2000 Retail sales workers	8,445	9,382	5.8	5.7	937	11.1	4,444	
41-2010 Cashiers	3,499	3,612	2.4	2.2	113	3.2	1,815	
41-2011 Cashiers, except gaming	3,470	3,578	2.4	2.2	108	3.1	1,796	
41-2012 Gaming change persons and booth cashiers	29	35	0.0	0.0	5	18.5	20	
41-2020 Counter and rental clerks and parts salespersons	690	778	0.5	0.5	88	12.8	345	
41-2021 Counter and rental clerks	451	555	0.3	0.3	104	23.1	277	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
41-2022 Parts salespersons	239	223	0.2	0.1	-16	-6.6	68	
41-2031 Retail salespersons	4,256	4,992	2.9	3.0	736	17.3	2,283	
41-3000 Sales representatives, services	1,318	1,467	0.9	0.9	149	11.3	408	
41-3011 Advertising sales agents	154	180	0.1	0.1	25	16.3	55	
41-3021 Insurance sales agents	400	426	0.3	0.3	26	6.6	122	
41-3031 Securities, commodities, and financial services sales agents	281	313	0.2	0.2	32	11.5	64	
41-3041 Travel agents	103	96	0.1	0.1	-6	-6.1	23	
41-3099 Sales representatives, services, all other	380	452	0.3	0.3	71	18.7	144	
41-4000 Sales representatives, wholesale and manufacturing	1,851	2,095	1.3	1.3	244	13.2	730	
41-4011 Sales representatives, wholesale and manufacturing, technical and scientific products	397	454	0.3	0.3	57	14.4	161	
41-4012 Sales representatives, wholesale and manufacturing, except technical and scientific products	1,454	1,641	1.0	1.0	187	12.9	569	
41-9000 Other sales and related workers	1,533	1,606	1.1	1.0	72	4.7	439	
41-9010 Models, demonstrators, and product promoters	120	140	0.1	0.1	20	16.5	47	
41-9011 Demonstrators and product promoters	118	138	0.1	0.1	19	16.5	46	
41-9012 Models	2	3	0.0	0.0	0	15.7	1	
41-9020 Real estate brokers and sales agents	460	520	0.3	0.3	60	13.0	151	
41-9021 Real estate brokers	111	120	0.1	0.1	9	7.8	31	
41-9022 Real estate sales agents	348	400	0.2	0.2	51	14.7	120	
41-9031 Sales engineers	74	84	0.1	0.1	10	14.0	32	
41-9041 Telemarketers	415	373	0.3	0.2	-42	-10.0	68	
41-9090 Miscellaneous sales and related workers	465	489	0.3	0.3	24	5.1	141	
41-9091 Door-to-door sales workers, news and street vendors, and related workers	239	221	0.2	0.1	-18	-7.4	56	
41-9099 Sales and related workers, all other	226	267	0.2	0.2	42	18.4	85	
43-0000 Office and administrative support occupations	23,907	25,287	16.4	15.4	1,380	5.8	7,455	
43-1000 Supervisors, office and administrative support workers	1,482	1,602	1.0	1.0	120	8.1	438	
43-1011 First-line supervisors/managers of office and administrative support workers	1,482	1,602	1.0	1.0	120	8.1	438	
43-2000 Communications equipment operators	256	223	0.2	0.1	-33	-12.9	66	
43-2011 Switchboard operators, including answering service	213	195	0.1	0.1	-19	-8.8	55	
43-2021 Telephone operators	39	25	0.0	0.0	-14	-35.7	10	
43-2099 Communications equipment operators, all other	4	4	0.0	0.0	0	-10.8	1	
43-3000 Financial clerks	3,891	4,203	2.7	2.6	312	8.0	1,232	
43-3011 Bill and account collectors	456	554	0.3	0.3	98	21.4	184	
43-3021 Billing and posting clerks and machine operators	523	541	0.4	0.3	18	3.4	107	
43-3031 Bookkeeping, accounting, and auditing clerks	2,046	2,166	1.4	1.3	120	5.9	503	
43-3041 Gaming cage workers	20	23	0.0	0.0	3	17.0	13	
43-3051 Payroll and timekeeping clerks	214	251	0.1	0.2	37	17.3	94	
43-3061 Procurement clerks	74	72	0.1	0.0	-2	-2.7	19	
43-3071 Tellers	558	596	0.4	0.4	38	6.8	313	
43-4000 Information and record clerks	5,554	6,212	3.8	3.8	657	11.8	2,045	
43-4011 Brokerage clerks	75	81	0.1	0.0	6	7.5	16	
43-4021 Correspondence clerks	23	21	0.0	0.0	-2	-6.9	7	
43-4031 Court, municipal, and license clerks	110	131	0.1	0.1	21	18.6	45	
43-4041 Credit authorizers, checkers, and clerks	67	39	0.0	0.0	-27	-41.2	13	
43-4051 Customer service representatives	2,063	2,534	1.4	1.5	471	22.8	778	
43-4061 Eligibility interviewers, government programs	98	88	0.1	0.1	-9	-9.4	26	
43-4071 File clerks	255	163	0.2	0.1	-93	-36.3	76	
43-4081 Hotel, motel, and resort desk clerks	195	229	0.1	0.1	34	17.2	121	
43-4111 Interviewers, except eligibility and loan	199	251	0.1	0.2	52	26.0	103	
43-4121 Library assistants, clerical	109	122	0.1	0.1	14	12.5	58	
43-4131 Loan interviewers and clerks	218	217	0.1	0.1	-1	-0.6	30	
43-4141 New accounts clerks	98	99	0.1	0.1	2	1.7	26	
43-4151 Order clerks	293	230	0.2	0.1	-63	-21.4	66	
43-4161 Human resources assistants, except payroll and timekeeping	172	200	0.1	0.1	29	16.7	66	
43-4171 Receptionists and information clerks	1,133	1,379	0.8	0.8	246	21.7	524	
43-4181 Reservation and transportation ticket agents and travel clerks	163	167	0.1	0.1	4	2.4	46	
43-4199 Information and record clerks, all other	285	260	0.2	0.2	-24	-8.6	45	
43-5000 Material recording, scheduling, dispatching, and distributing occupations ..	3,849	3,761	2.6	2.3	-88	-2.3	1,204	
43-5011 Cargo and freight agents	70	67	0.0	0.0	-4	-5.6	16	
43-5021 Couriers and messengers	147	134	0.1	0.1	-13	-8.6	34	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
43-5030 Dispatchers	266	291	0.2	0.2	25	9.4	82	
43-5031 Police, fire, and ambulance dispatchers	95	111	0.1	0.1	15	15.9	36	
43-5032 Dispatchers, except police, fire, and ambulance	171	181	0.1	0.1	10	5.7	46	
43-5041 Meter readers, utilities	50	27	0.0	0.0	-22	-44.9	16	
43-5050 Postal service workers	619	619	0.4	0.4	0	0	180	
43-5051 Postal service clerks	75	75	0.1	0.0	0	0	20	
43-5052 Postal service mail carriers	335	335	0.2	0.2	0	0	105	
43-5053 Postal service mail sorters, processors, and processing machine operators	209	209	0.1	0.1	0	0	55	
43-5061 Production, planning, and expediting clerks	292	315	0.2	0.2	23	7.7	93	
43-5071 Shipping, receiving, and traffic clerks	751	779	0.5	0.5	28	3.7	182	
43-5081 Stock clerks and order fillers	1,566	1,451	1.1	0.9	-115	-7.3	579	
43-5111 Weighers, measurers, checkers, and samplers, recordkeeping	88	78	0.1	0.0	-10	-11.3	22	
43-6000 Secretaries and administrative assistants	4,126	4,382	2.8	2.7	255	6.2	1,093	
43-6011 Executive secretaries and administrative assistants	1,547	1,739	1.1	1.1	192	12.4	488	
43-6012 Legal secretaries	272	319	0.2	0.2	47	17.4	99	
43-6013 Medical secretaries	373	436	0.3	0.3	63	17.0	135	
43-6014 Secretaries, except legal, medical, and executive	1,934	1,887	1.3	1.1	-48	-2.5	370	
43-9000 Other office and administrative support workers	4,748	4,905	3.3	3.0	157	3.3	1,378	
43-9011 Computer operators	149	101	0.1	0.1	-49	-32.6	32	
43-9020 Data entry and information processing workers	525	493	0.4	0.3	-32	-6.1	121	
43-9021 Data entry keyers	330	328	0.2	0.2	-2	-0.7	78	
43-9022 Word processors and typists	194	165	0.1	0.1	-30	-15.3	43	
43-9031 Desktop publishers	34	41	0.0	0.0	8	23.2	15	
43-9041 Insurance claims and policy processing clerks	251	262	0.2	0.2	11	4.5	52	
43-9051 Mail clerks and mail machine operators, except postal service	160	101	0.1	0.1	-59	-37.1	48	
43-9061 Office clerks, general	3,138	3,401	2.2	2.1	263	8.4	958	
43-9071 Office machine operators, except computer	100	78	0.1	0.0	-22	-21.9	25	
43-9081 Proofreaders and copy markers	23	24	0.0	0.0	0	1.7	5	
43-9111 Statistical assistants	19	20	0.0	0.0	1	5.7	4	
43-9199 Office and administrative support workers, all other	349	384	0.2	0.2	35	10.0	117	
45-0000 Farming, fishing, and forestry occupations	1,026	1,013	0.7	0.6	-13	-1.3	286	
45-1000 Supervisors, farming, fishing, and forestry workers	61	63	0.0	0.0	2	3.6	14	
45-2000 Agricultural workers	834	824	0.6	0.5	-10	-1.2	240	
45-2011 Agricultural inspectors	14	15	0.0	0.0	1	6.8	4	
45-2021 Animal breeders	12	12	0.0	0.0	1	5.6	3	
45-2041 Graders and sorters, agricultural products	45	49	0.0	0.0	4	7.9	16	
45-2090 Miscellaneous agricultural workers	764	749	0.5	0.5	-15	-2.0	217	
45-2091 Agricultural equipment operators	60	60	0.0	0.0	0	-0.1	17	
45-2092 Farmworkers and laborers, crop, nursery, and greenhouse	611	595	0.4	0.4	-16	-2.7	173	
45-2093 Farmworkers, farm and ranch animals	79	80	0.1	0.0	1	0.9	23	
45-2099 Agricultural workers, all other	14	15	0.0	0.0	1	4.3	4	
45-3000 Fishing and hunting workers	39	33	0.0	0.0	-7	-16.6	12	
45-3011 Fishers and related fishing workers	38	32	0.0	0.0	-7	-17.2	11	
45-3021 Hunters and trappers	1	1	0.0	0.0	0	5.2	1	
45-4000 Forest, conservation, and logging workers	92	93	0.1	0.1	1	1.6	21	
45-4011 Forest and conservation workers	17	18	0.0	0.0	1	6.0	5	
45-4020 Logging workers	75	75	0.1	0.0	0	0.6	16	
45-4021 Fallers	15	14	0.0	0.0	-1	-5.7	3	
45-4022 Logging equipment operators	43	45	0.0	0.0	1	3.4	9	
45-4023 Log graders and scalers	9	9	0.0	0.0	0	1.7	2	
45-4029 Logging workers, all other	7	7	0.0	0.0	0	-4.2	2	
47-0000 Construction and extraction occupations	7,738	8,669	5.3	5.3	931	12.0	2,459	
47-1000 Supervisors, construction and extraction workers	750	832	0.5	0.5	82	10.9	209	
47-1011 First-line supervisors/managers of construction trades and extraction workers	750	832	0.5	0.5	82	10.9	209	
47-2000 Construction trades and related workers	5,929	6,627	4.1	4.0	699	11.8	1,785	
47-2011 Boilermakers	19	20	0.0	0.0	2	8.7	8	
47-2020 Brickmasons, blockmasons, and stonemasons	177	198	0.1	0.1	21	12.1	48	
47-2021 Brickmasons and blockmasons	155	174	0.1	0.1	19	12.0	42	
47-2022 Stonemasons	22	25	0.0	0.0	3	13.0	6	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
47-2031 Carpenters	1,349	1,535	0.9	0.9	186	13.8	405	
47-2040 Carpet, floor, and tile installers and finishers	184	209	0.1	0.1	25	13.4	53	
47-2041 Carpet installers	79	86	0.1	0.1	7	8.4	19	
47-2042 Floor layers, except carpet, wood, and hard tiles	31	34	0.0	0.0	3	10.2	8	
47-2043 Floor sanders and finishers	15	16	0.0	0.0	1	8.2	4	
47-2044 Tile and marble setters	59	73	0.0	0.0	14	22.9	23	
47-2050 Cement masons, concrete finishers, and terrazzo workers	208	241	0.1	0.1	33	15.9	75	
47-2051 Cement masons and concrete finishers	201	233	0.1	0.1	32	15.9	72	
47-2053 Terrazzo workers and finishers	7	8	0.0	0.0	1	15.2	2	
47-2061 Construction laborers	1,009	1,069	0.7	0.6	60	5.9	194	
47-2070 Construction equipment operators	449	504	0.3	0.3	55	12.2	162	
47-2071 Paving, surfacing, and tamping equipment operators	63	73	0.0	0.0	10	15.6	19	
47-2072 Pile-driver operators	4	5	0.0	0.0	1	11.9	1	
47-2073 Operating engineers and other construction equipment operators	382	426	0.3	0.3	44	11.6	142	
47-2080 Drywall installers, ceiling tile installers, and tapers	196	212	0.1	0.1	16	8.3	59	
47-2081 Drywall and ceiling tile installers	149	162	0.1	0.1	13	9.0	46	
47-2082 Tapers	47	50	0.0	0.0	3	5.9	13	
47-2111 Electricians	656	734	0.5	0.4	77	11.8	207	
47-2121 Glaziers	49	56	0.0	0.0	7	14.2	17	
47-2130 Insulation workers	61	63	0.0	0.0	1	2.4	20	
47-2131 Insulation workers, floor, ceiling, and wall	42	44	0.0	0.0	1	3.0	14	
47-2132 Insulation workers, mechanical	19	19	0.0	0.0	0	1.0	6	
47-2140 Painters and paperhangers	486	546	0.3	0.3	60	12.4	134	
47-2141 Painters, construction and maintenance	471	531	0.3	0.3	60	12.6	131	
47-2142 Paperhangers	14	15	0.0	0.0	0	3.2	2	
47-2150 Pipelayers, plumbers, pipefitters, and steamfitters	561	645	0.4	0.4	84	15.0	213	
47-2151 Pipelayers	62	69	0.0	0.0	6	9.9	21	
47-2152 Plumbers, pipefitters, and steamfitters	499	577	0.3	0.4	78	15.7	193	
47-2161 Plasterers and stucco masons	59	64	0.0	0.0	5	8.2	16	
47-2171 Reinforcing iron and rebar workers	34	38	0.0	0.0	5	14.1	11	
47-2181 Roofers	162	189	0.1	0.1	27	16.8	65	
47-2211 Sheet metal workers	198	222	0.1	0.1	24	12.2	72	
47-2221 Structural iron and steel workers	73	83	0.0	0.1	11	15.0	25	
47-3000 Helpers, construction trades	431	480	0.3	0.3	49	11.4	228	
47-3010 Helpers, construction trades	431	480	0.3	0.3	49	11.4	228	
47-3011 Helpers—Brickmasons, blockmasons, stonemasons, and tile and marble setters	62	71	0.0	0.0	9	14.9	35	
47-3012 Helpers—Carpenters	109	125	0.1	0.1	16	14.5	61	
47-3013 Helpers—Electricians	95	99	0.1	0.1	4	4.0	43	
47-3014 Helpers—Painters, paperhangers, plasterers, and stucco masons	27	30	0.0	0.0	3	11.5	14	
47-3015 Helpers—Pipelayers, plumbers, pipefitters, and steamfitters	76	89	0.1	0.1	13	16.6	44	
47-3016 Helpers—Roofers	22	26	0.0	0.0	4	16.5	13	
47-3019 Helpers, construction trades, all other	39	40	0.0	0.0	1	1.8	17	
47-4000 Other construction and related workers	460	562	0.3	0.3	102	22.2	189	
47-4011 Construction and building inspectors	94	115	0.1	0.1	21	22.3	42	
47-4021 Elevator installers and repairers	22	25	0.0	0.0	3	14.8	9	
47-4031 Fence erectors	38	42	0.0	0.0	4	9.9	9	
47-4041 Hazardous materials removal workers	38	50	0.0	0.0	12	31.2	22	
47-4051 Highway maintenance workers	143	177	0.1	0.1	33	23.3	54	
47-4061 Rail-track laying and maintenance equipment operators	11	10	0.0	0.0	-1	-10.9	2	
47-4071 Septic tank servicers and sewer pipe cleaners	20	24	0.0	0.0	4	21.8	10	
47-4090 Miscellaneous construction and related workers	94	119	0.1	0.1	26	27.3	40	
47-4091 Segmental pavers	1	1	0.0	0.0	0	12.5	0	
47-4099 Construction and related workers, all other	92	118	0.1	0.1	25	27.5	40	
47-5000 Extraction workers	169	169	0.1	0.1	-1	-0.4	48	
47-5010 Derrick, rotary drill, and service unit operators, oil, gas, and mining	47	47	0.0	0.0	0	-0.3	14	
47-5011 Derrick operators, oil and gas	15	15	0.0	0.0	0	-0.5	4	
47-5012 Rotary drill operators, oil and gas	15	15	0.0	0.0	0	0.1	4	
47-5013 Service unit operators, oil, gas, and mining	17	17	0.0	0.0	0	-0.6	5	
47-5021 Earth drillers, except oil and gas	22	23	0.0	0.0	2	7.9	6	
47-5031 Explosives workers, ordnance handling experts, and blasters	5	6	0.0	0.0	0	2.2	2	
47-5040 Mining machine operators	15	14	0.0	0.0	-1	-9.6	4	
47-5041 Continuous mining machine operators	8	7	0.0	0.0	-1	-12.4	2	
47-5042 Mine cutting and channeling machine operators	4	4	0.0	0.0	0	-11.1	1	
47-5049 Mining machine operators, all other	3	3	0.0	0.0	0	0.9	1	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title		Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
		Number		Percent distribution		Number	Percent		
		2004	2014	2004	2014				
47-5051	Rock splitters, quarry	3	4	0.0	0.0	0	4.1	1	
47-5061	Roof bolters, mining	4	3	0.0	0.0	-1	-29.5	1	
47-5071	Roustabouts, oil and gas	34	34	0.0	0.0	0	1.0	10	
47-5081	Helpers—Extraction workers	27	27	0.0	0.0	0	-0.1	8	
47-5099	Extraction workers, all other	12	12	0.0	0.0	0	-0.7	3	
49-0000	Installation, maintenance, and repair occupations	5,747	6,404	3.9	3.9	657	11.4	1,984	
49-1000	Supervisors of installation, maintenance, and repair workers	469	527	0.3	0.3	58	12.4	175	
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	469	527	0.3	0.3	58	12.4	175	
49-2000	Electrical and electronic equipment mechanics, installers, and repairers	664	686	0.5	0.4	22	3.3	159	
49-2011	Computer, automated teller, and office machine repairers	168	174	0.1	0.1	6	3.8	27	
49-2020	Radio and telecommunications equipment installers and repairers	222	211	0.2	0.1	-11	-4.7	46	
49-2021	Radio mechanics	7	7	0.0	0.0	0	-1.1	1	
49-2022	Telecommunications equipment installers and repairers, except line installers	215	204	0.1	0.1	-10	-4.9	44	
49-2090	Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	275	301	0.2	0.2	26	9.6	86	
49-2091	Avionics technicians	23	25	0.0	0.0	2	9.1	8	
49-2092	Electric motor, power tool, and related repairers	28	29	0.0	0.0	1	4.1	8	
49-2093	Electrical and electronics installers and repairers, transportation equipment	18	19	0.0	0.0	1	6.6	5	
49-2094	Electrical and electronics repairers, commercial and industrial equipment	72	79	0.0	0.0	7	9.7	23	
49-2095	Electrical and electronics repairers, powerhouse, substation, and relay	21	21	0.0	0.0	0	-0.4	5	
49-2096	Electronic equipment installers and repairers, motor vehicles	19	21	0.0	0.0	3	13.6	7	
49-2097	Electronic home entertainment equipment installers and repairers	47	49	0.0	0.0	2	4.7	11	
49-2098	Security and fire alarm systems installers	47	57	0.0	0.0	10	21.7	19	
49-3000	Vehicle and mobile equipment mechanics, installers, and repairers	1,778	2,012	1.2	1.2	234	13.2	695	
49-3011	Aircraft mechanics and service technicians	119	135	0.1	0.1	16	13.4	44	
49-3020	Automotive technicians and repairers	1,026	1,175	0.7	0.7	150	14.6	408	
49-3021	Automotive body and related repairers	201	221	0.1	0.1	21	10.3	61	
49-3022	Automotive glass installers and repairers	22	26	0.0	0.0	3	15.1	8	
49-3023	Automotive service technicians and mechanics	803	929	0.6	0.6	126	15.7	339	
49-3031	Bus and truck mechanics and diesel engine specialists	270	309	0.2	0.2	39	14.4	108	
49-3040	Heavy vehicle and mobile equipment service technicians and mechanics	178	189	0.1	0.1	12	6.7	51	
49-3041	Farm equipment mechanics	33	34	0.0	0.0	1	3.3	8	
49-3042	Mobile heavy equipment mechanics, except engines	125	136	0.1	0.1	11	8.8	38	
49-3043	Rail car repairers	20	20	0.0	0.0	0	-1.2	4	
49-3050	Small engine mechanics	73	83	0.1	0.1	10	14.2	28	
49-3051	Motorboat mechanics	23	26	0.0	0.0	3	15.1	9	
49-3052	Motorcycle mechanics	19	22	0.0	0.0	3	13.7	7	
49-3053	Outdoor power equipment and other small engine mechanics	31	36	0.0	0.0	4	14.0	12	
49-3090	Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	112	120	0.1	0.1	8	6.9	55	
49-3091	Bicycle repairers	8	9	0.0	0.0	1	14.3	5	
49-3092	Recreational vehicle service technicians	13	15	0.0	0.0	3	19.5	8	
49-3093	Tire repairers and changers	91	96	0.1	0.1	4	4.5	43	
49-9000	Other installation, maintenance, and repair occupations	2,837	3,180	1.9	1.9	342	12.1	955	
49-9010	Control and valve installers and repairers	48	52	0.0	0.0	4	7.3	16	
49-9011	Mechanical door repairers	11	12	0.0	0.0	2	15.8	4	
49-9012	Control and valve installers and repairers, except mechanical door	38	40	0.0	0.0	2	4.9	11	
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	270	321	0.2	0.2	51	19.0	87	
49-9031	Home appliance repairers	50	51	0.0	0.0	1	2.6	13	
49-9041	Industrial machinery installation, repair, and maintenance workers	1,700	1,907	1.2	1.2	207	12.2	542	
49-9042	Industrial machinery mechanics	220	220	0.2	0.1	0	-0.2	44	
49-9043	Maintenance and repair workers, general	1,332	1,533	0.9	0.9	202	15.2	457	
49-9044	Maintenance workers, machinery	86	89	0.1	0.1	2	2.8	22	
49-9045	Millwrights	59	62	0.0	0.0	3	5.9	18	
49-9050	Refractory materials repairers, except brickmasons	4	3	0.0	0.0	0	-5.2	1	
49-9051	Line installers and repairers	251	269	0.2	0.2	18	7.4	91	
49-9052	Electrical power-line installers and repairers	104	107	0.1	0.1	3	2.5	36	
	Telecommunications line installers and repairers	147	163	0.1	0.1	16	10.8	56	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
49-9060 Precision instrument and equipment repairers	62	67	0.0	0.0	5	8.7	23	
49-9061 Camera and photographic equipment repairers	5	5	0.0	0.0	0	-9.1	1	
49-9062 Medical equipment repairers	29	34	0.0	0.0	4	14.8	13	
49-9063 Musical instrument repairers and tuners	6	6	0.0	0.0	0	2.8	2	
49-9064 Watch repairers	4	4	0.0	0.0	0	0.6	1	
49-9069 Precision instrument and equipment repairers, all other	17	18	0.0	0.0	1	7.7	6	
49-9090 Miscellaneous installation, maintenance, and repair workers	456	512	0.3	0.3	55	12.1	182	
49-9091 Coin, vending, and amusement machine servicers and repairers	46	47	0.0	0.0	1	2.4	12	
49-9092 Commercial divers	3	3	0.0	0.0	0	9.5	1	
49-9093 Fabric menders, except garment	3	3	0.0	0.0	0	-0.6	1	
49-9094 Locksmiths and safe repairers	28	33	0.0	0.0	5	16.1	14	
49-9095 Manufactured building and mobile home installers	15	16	0.0	0.0	1	7.9	5	
49-9096 Riggers	13	14	0.0	0.0	2	13.9	5	
49-9097 Signal and track switch repairers	8	8	0.0	0.0	0	2.3	3	
49-9098 Helpers—Installation, maintenance, and repair workers	163	190	0.1	0.1	27	16.4	82	
49-9099 Installation, maintenance, and repair workers, all other	178	197	0.1	0.1	20	11.0	60	
51-0000 Production occupations	10,562	10,483	7.3	6.4	-79	-0.7	2,909	
51-1000 Supervisors, production workers	731	750	0.5	0.5	20	2.7	173	
51-1011 First-line supervisors/managers of production and operating workers	731	750	0.5	0.5	20	2.7	173	
51-2000 Assemblers and fabricators	1,997	2,075	1.4	1.3	78	3.9	616	
51-2011 Aircraft structure, surfaces, rigging, and systems assemblers	19	21	0.0	0.0	1	7.8	7	
51-2020 Electrical, electronics, and electromechanical assemblers	301	272	0.2	0.2	-29	-9.8	71	
51-2021 Coil winders, tapers, and finishers	28	20	0.0	0.0	-8	-28.5	7	
51-2022 Electrical and electronic equipment assemblers	221	207	0.2	0.1	-14	-6.4	52	
51-2023 Electromechanical equipment assemblers	52	45	0.0	0.0	-7	-13.9	12	
51-2031 Engine and other machine assemblers	46	46	0.0	0.0	0	0.2	13	
51-2041 Structural metal fabricators and fitters	90	93	0.1	0.1	3	2.9	24	
51-2090 Miscellaneous assemblers and fabricators	1,541	1,644	1.1	1.0	103	6.7	502	
51-2091 Fiberglass laminators and fabricators	31	32	0.0	0.0	1	4.0	9	
51-2092 Team assemblers	1,239	1,329	0.9	0.8	90	7.3	410	
51-2093 Timing device assemblers, adjusters, and calibrators	3	3	0.0	0.0	0	-1.5	1	
51-2099 Assemblers and fabricators, all other	268	280	0.2	0.2	12	4.5	81	
51-3000 Food processing occupations	724	810	0.5	0.5	86	11.8	251	
51-3011 Bakers	166	191	0.1	0.1	25	15.2	64	
51-3020 Butchers and other meat, poultry, and fish processing workers	411	462	0.3	0.3	51	12.5	142	
51-3021 Butchers and meat cutters	134	145	0.1	0.1	11	7.9	40	
51-3022 Meat, poultry, and fish cutters and trimmers	140	163	0.1	0.1	22	15.8	53	
51-3023 Slaughterers and meat packers	136	155	0.1	0.1	19	13.8	49	
51-3090 Miscellaneous food processing workers	148	157	0.1	0.1	9	6.0	45	
51-3091 Food and tobacco roasting, baking, and drying machine operators and tenders	18	19	0.0	0.0	1	4.7	6	
51-3092 Food batchmakers	87	94	0.1	0.1	7	7.9	28	
51-3093 Food cooking machine operators and tenders	43	44	0.0	0.0	1	2.9	11	
51-4000 Metal workers and plastic workers	2,175	2,085	1.5	1.3	-90	-4.1	562	
51-4010 Computer control programmers and operators	143	141	0.1	0.1	-2	-1.2	24	
51-4011 Computer-controlled machine tool operators, metal and plastic	126	124	0.1	0.1	-1	-1.2	21	
51-4012 Numerical tool and process control programmers	18	17	0.0	0.0	0	-1.1	3	
51-4020 Forming machine setters, operators, and tenders, metal and plastic	165	143	0.1	0.1	-22	-13.5	44	
51-4021 Extruding and drawing machine setters, operators, and tenders, metal and plastic	89	70	0.1	0.0	-19	-21.3	30	
51-4022 Forging machine setters, operators, and tenders, metal and plastic	38	37	0.0	0.0	-2	-4.6	6	
51-4023 Rolling machine setters, operators, and tenders, metal and plastic	37	36	0.0	0.0	-1	-3.9	8	
51-4030 Machine tool cutting setters, operators, and tenders, metal and plastic	495	431	0.3	0.3	-65	-13.1	109	
51-4031 Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	251	208	0.2	0.1	-43	-17.2	58	
51-4032 Drilling and boring machine tool setters, operators, and tenders, metal and plastic	42	39	0.0	0.0	-4	-8.4	12	
51-4033 Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	101	91	0.1	0.1	-10	-10.0	19	
51-4034 Lathe and turning machine tool setters, operators, and tenders, metal and plastic	71	64	0.0	0.0	-6	-9.0	14	
51-4035 Milling and planing machine setters, operators, and tenders, metal and plastic	31	29	0.0	0.0	-2	-5.3	5	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
51-4041 Machinists	370	386	0.3	0.2	16	4.3	102	
51-4050 Metal furnace and kiln operators and tenders	31	26	0.0	0.0	-5	-14.7	7	
51-4051 Metal-refining furnace operators and tenders	17	15	0.0	0.0	-2	-13.5	4	
51-4052 Pourers and casters, metal	14	12	0.0	0.0	-2	-16.1	3	
51-4060 Model makers and patternmakers, metal and plastic	14	13	0.0	0.0	-1	-5.5	4	
51-4061 Model makers, metal and plastic	8	8	0.0	0.0	0	-4.0	3	
51-4062 Patternmakers, metal and plastic	6	6	0.0	0.0	0	-7.5	2	
51-4070 Molders and molding machine setters, operators, and tenders, metal and plastic	175	157	0.1	0.1	-17	-9.9	43	
51-4071 Foundry mold and coremakers	17	15	0.0	0.0	-2	-13.3	4	
51-4072 Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	157	142	0.1	0.1	-15	-9.5	39	
51-4081 Multiple machine tool setters, operators, and tenders, metal and plastic ..	97	98	0.1	0.1	0	0.3	27	
51-4111 Tool and die makers	103	100	0.1	0.1	-3	-2.6	23	
51-4120 Welding, soldering, and brazing workers	429	448	0.3	0.3	19	4.5	140	
51-4121 Welders, cutters, solderers, and brazers	377	396	0.3	0.2	19	5.0	125	
51-4122 Welding, soldering, and brazing machine setters, operators, and tenders	52	52	0.0	0.0	0	0.4	15	
51-4190 Miscellaneous metalworkers and plastic workers	153	142	0.1	0.1	-11	-7.4	38	
51-4191 Heat treating equipment setters, operators, and tenders, metal and plastic	26	26	0.0	0.0	0	-0.4	8	
51-4192 Lay-out workers, metal and plastic	11	11	0.0	0.0	-1	-4.6	2	
51-4193 Plating and coating machine setters, operators, and tenders, metal and plastic	40	38	0.0	0.0	-2	-4.0	9	
51-4194 Tool grinders, filers, and sharpeners	21	19	0.0	0.0	-2	-7.7	7	
51-4199 Metal workers and plastic workers, all other	55	47	0.0	0.0	-7	-13.6	13	
51-5000 Printing occupations	413	405	0.3	0.2	-8	-1.9	106	
51-5010 Bookbinders and bindery workers	81	73	0.1	0.0	-8	-9.9	22	
51-5011 Bindery workers	74	66	0.1	0.0	-8	-10.4	20	
51-5012 Bookbinders	7	7	0.0	0.0	0	-4.5	2	
51-5020 Printers	332	332	0.2	0.2	0	0.1	84	
51-5021 Job printers	63	64	0.0	0.0	1	1.8	16	
51-5022 Prepress technicians and workers	78	71	0.1	0.0	-7	-8.4	18	
51-5023 Printing machine operators	191	197	0.1	0.1	6	2.9	50	
51-6000 Textile, apparel, and furnishings occupations	929	768	0.6	0.5	-161	-17.3	214	
51-6011 Laundry and dry-cleaning workers	235	265	0.2	0.2	30	12.7	94	
51-6021 Pressers, textile, garment, and related materials	82	84	0.1	0.1	2	2.9	15	
51-6031 Sewing machine operators	256	163	0.2	0.1	-93	-36.5	32	
51-6040 Shoe and leather workers	15	12	0.0	0.0	-3	-19.4	4	
51-6041 Shoe and leather workers and repairers	10	9	0.0	0.0	-2	-16.0	3	
51-6042 Shoe machine operators and tenders	5	3	0.0	0.0	-1	-27.3	1	
51-6050 Tailors, dressmakers, and sewers	85	79	0.1	0.0	-6	-7.0	15	
51-6051 Sewers, hand	31	25	0.0	0.0	-6	-19.7	5	
51-6052 Tailors, dressmakers, and custom sewers	54	54	0.0	0.0	0	0.3	10	
51-6060 Textile machine setters, operators, and tenders	148	81	0.1	0.0	-66	-45.0	26	
51-6061 Textile bleaching and dyeing machine operators and tenders	21	12	0.0	0.0	-10	-45.3	5	
51-6062 Textile cutting machine setters, operators, and tenders	28	21	0.0	0.0	-7	-25.0	6	
51-6063 Textile knitting and weaving machine setters, operators, and tenders	46	20	0.0	0.0	-26	-56.2	5	
51-6064 Textile winding, twisting, and drawing out machine setters, operators, and tenders	53	29	0.0	0.0	-24	-45.5	10	
51-6090 Miscellaneous textile, apparel, and furnishings workers	109	84	0.1	0.1	-24	-22.4	28	
51-6091 Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	23	17	0.0	0.0	-6	-25.3	4	
51-6092 Fabric and apparel patternmakers	9	6	0.0	0.0	-3	-30.5	4	
51-6093 Upholsterers	53	44	0.0	0.0	-9	-16.5	14	
51-6099 Textile, apparel, and furnishings workers, all other	23	16	0.0	0.0	-7	-29.8	6	
51-7000 Woodworkers	364	345	0.2	0.2	-18	-5.0	100	
51-7011 Cabinetmakers and bench carpenters	148	154	0.1	0.1	6	4.1	43	
51-7021 Furniture finishers	34	30	0.0	0.0	-5	-13.3	7	
51-7030 Model makers and patternmakers, wood	6	6	0.0	0.0	0	6.5	2	
51-7031 Model makers, wood	3	4	0.0	0.0	0	9.0	1	
51-7032 Patternmakers, wood	3	3	0.0	0.0	0	3.3	1	
51-7040 Woodworking machine setters, operators, and tenders	150	133	0.1	0.1	-17	-11.1	40	
51-7041 Sawing machine setters, operators, and tenders, wood	58	51	0.0	0.0	-7	-11.3	16	
51-7042 Woodworking machine setters, operators, and tenders, except sawing	92	82	0.1	0.0	-10	-11.0	24	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
51-7099 Woodworkers, all other	26	23	0.0	0.0	-4	-13.9	8	
51-8000 Plant and system operators	320	324	0.2	0.2	4	1.4	113	
51-8010 Power plant operators, distributors, and dispatchers	47	46	0.0	0.0	0	-0.4	13	
51-8011 Nuclear power reactor operators	4	4	0.0	0.0	0	-0.5	1	
51-8012 Power distributors and dispatchers	8	8	0.0	0.0	0	0	2	
51-8013 Power plant operators	34	34	0.0	0.0	0	-0.4	9	
51-8021 Stationary engineers and boiler operators	50	52	0.0	0.0	2	3.4	11	
51-8031 Water and liquid waste treatment plant and system operators	94	110	0.1	0.1	15	16.2	48	
51-8090 Miscellaneous plant and system operators	129	117	0.1	0.1	-12	-9.6	42	
51-8091 Chemical plant and system operators	60	49	0.0	0.0	-11	-17.7	19	
51-8092 Gas plant operators	11	12	0.0	0.0	1	7.7	4	
51-8093 Petroleum pump system operators, refinery operators, and gaugers	43	39	0.0	0.0	-4	-8.6	13	
51-8099 Plant and system operators, all other	15	16	0.0	0.0	1	7.1	6	
51-9000 Other production occupations	2,909	2,920	2.0	1.8	10	0.4	775	
51-9010 Chemical processing machine setters, operators, and tenders	87	85	0.1	0.1	-2	-1.8	28	
51-9011 Chemical equipment operators and tenders	49	47	0.0	0.0	-2	-4.5	16	
51-9012 Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	38	38	0.0	0.0	1	1.6	13	
51-9020 Crushing, grinding, polishing, mixing, and blending workers	208	207	0.1	0.1	-1	-0.6	57	
51-9021 Crushing, grinding, and polishing machine setters, operators, and tenders	43	43	0.0	0.0	0	0.8	12	
51-9022 Grinding and polishing workers, hand	45	41	0.0	0.0	-4	-8.7	12	
51-9023 Mixing and blending machine setters, operators, and tenders	120	122	0.1	0.1	2	2.0	34	
51-9030 Cutting workers	104	103	0.1	0.1	-1	-1.3	22	
51-9031 Cutters and trimmers, hand	29	30	0.0	0.0	1	2.4	7	
51-9032 Cutting and slicing machine setters, operators, and tenders	75	73	0.1	0.0	-2	-2.7	16	
51-9041 Extruding, forming, pressing, and compacting machine setters, operators, and tenders	74	72	0.1	0.0	-2	-2.2	20	
51-9051 Furnace, kiln, oven, drier, and kettle operators and tenders	30	29	0.0	0.0	-1	-4.2	7	
51-9061 Inspectors, testers, sorters, samplers, and weighers	508	494	0.3	0.3	-13	-2.6	116	
51-9071 Jewelers and precious stone and metal workers	42	42	0.0	0.0	0	0	8	
51-9080 Medical, dental, and ophthalmic laboratory technicians	87	94	0.1	0.1	7	8.4	26	
51-9081 Dental laboratory technicians	50	54	0.0	0.0	4	7.6	15	
51-9082 Medical appliance technicians	11	13	0.0	0.0	2	13.2	4	
51-9083 Ophthalmic laboratory technicians	25	27	0.0	0.0	2	7.8	7	
51-9111 Packaging and filling machine operators and tenders	412	422	0.3	0.3	9	2.3	91	
51-9120 Painting workers	186	192	0.1	0.1	6	3.4	58	
51-9121 Coating, painting, and spraying machine setters, operators, and tenders	103	100	0.1	0.1	-3	-3.4	27	
51-9122 Painters, transportation equipment	53	61	0.0	0.0	7	14.1	21	
51-9123 Painting, coating, and decorating workers	29	31	0.0	0.0	2	7.9	10	
51-9130 Photographic process workers and processing machine operators	86	66	0.1	0.0	-20	-23.6	21	
51-9131 Photographic process workers	32	28	0.0	0.0	-4	-11.4	8	
51-9132 Photographic processing machine operators	54	38	0.0	0.0	-17	-30.7	13	
51-9141 Semiconductor processors	45	42	0.0	0.0	-3	-7.5	10	
51-9190 Miscellaneous production workers	1,040	1,072	0.7	0.7	31	3.0	310	
51-9191 Cementing and gluing machine operators and tenders	25	25	0.0	0.0	0	1.9	7	
51-9192 Cleaning, washing, and metal pickling equipment operators and tenders	18	18	0.0	0.0	0	1.0	5	
51-9193 Cooling and freezing equipment operators and tenders	9	9	0.0	0.0	0	0.8	2	
51-9194 Etchers and engravers	12	12	0.0	0.0	0	2.1	3	
51-9195 Molders, shapers, and casters, except metal and plastic	47	43	0.0	0.0	-3	-7.0	11	
51-9196 Paper goods machine setters, operators, and tenders	111	113	0.1	0.1	3	2.4	26	
51-9197 Tire builders	18	15	0.0	0.0	-3	-16.6	4	
51-9198 Helpers—Production workers	484	522	0.3	0.3	38	7.9	174	
51-9199 Production workers, all other	319	315	0.2	0.2	-4	-1.3	76	
53-0000 Transportation and material moving occupations	10,098	11,214	6.9	6.8	1,116	11.1	3,449	
53-1000 Supervisors, transportation and material moving workers	408	458	0.3	0.3	50	12.3	146	
53-1011 Aircraft cargo handling supervisors	8	9	0.0	0.0	1	17.3	3	
53-1021 First-line supervisors/managers of helpers, laborers, and material movers, hand	173	187	0.1	0.1	14	8.1	55	
53-1031 First-line supervisors/managers of transportation and material-moving machine and vehicle operators	228	262	0.2	0.2	35	15.3	88	

Appendix: —Continued Employment by occupation, 2004 and projected 2014

[Numbers in thousands]

2004 National Employment Matrix code and title	Employment				Change		Total job openings due to growth and net replacements, 2004-14 ¹	
	Number		Percent distribution		Number	Percent		
	2004	2014	2004	2014				
53-2000 Air transportation occupations	135	157	0.1	0.1	22	16.5	58	
53-2010 Aircraft pilots and flight engineers	106	124	0.1	0.1	18	17.2	46	
53-2011 Airline pilots, copilots, and flight engineers	84	98	0.1	0.1	14	17.2	37	
53-2012 Commercial pilots	22	26	0.0	0.0	4	16.8	10	
53-2020 Air traffic controllers and airfield operations specialists	29	34	0.0	0.0	4	14.4	12	
53-2021 Air traffic controllers	24	28	0.0	0.0	3	14.3	10	
53-2022 Airfield operations specialists	5	6	0.0	0.0	1	15.0	2	
53-3000 Motor vehicle operators	4,182	4,810	2.9	2.9	629	15.0	1,256	
53-3011 Ambulance drivers and attendants, except emergency medical technicians	20	26	0.0	0.0	6	28.0	8	
53-3020 Bus drivers	653	757	0.4	0.5	104	15.9	246	
53-3021 Bus drivers, transit and intercity	190	231	0.1	0.1	41	21.7	83	
53-3022 Bus drivers, school	463	526	0.3	0.3	63	13.6	164	
53-3030 Driver/sales workers and truck drivers	3,232	3,681	2.2	2.2	449	13.9	902	
53-3031 Driver/sales workers	451	513	0.3	0.3	62	13.8	136	
53-3032 Truck drivers, heavy and tractor-trailer	1,738	1,962	1.2	1.2	223	12.9	507	
53-3033 Truck drivers, light or delivery services	1,042	1,206	0.7	0.7	164	15.7	259	
53-3041 Taxi drivers and chauffeurs	188	235	0.1	0.1	47	24.8	64	
53-3099 Motor vehicle operators, all other	88	111	0.1	0.1	23	25.7	35	
53-4000 Rail transportation occupations	112	111	0.1	0.1	-1	-1.1	39	
53-4010 Locomotive engineers and operators	40	39	0.0	0.0	-1	-2.5	13	
53-4021 Railroad brake, signal, and switch operators	17	11	0.0	0.0	-7	-38.5	2	
53-4031 Railroad conductors and yardmasters	38	45	0.0	0.0	8	20.3	18	
53-4041 Subway and streetcar operators	9	10	0.0	0.0	1	13.7	4	
53-4099 Rail transportation workers, all other	8	6	0.0	0.0	-2	-30.8	2	
53-5000 Water transportation occupations	72	77	0.0	0.0	4	6.2	29	
53-5011 Sailors and marine oilers	28	30	0.0	0.0	1	5.2	11	
53-5020 Ship and boat captains and operators	32	34	0.0	0.0	2	4.7	11	
53-5021 Captains, mates, and pilots of water vessels	29	30	0.0	0.0	1	4.8	10	
53-5022 Motorboat operators	3	4	0.0	0.0	0	4.4	1	
53-5031 Ship engineers	12	13	0.0	0.0	1	12.7	7	
53-6000 Other transportation workers	301	309	0.2	0.2	8	2.5	120	
53-6011 Bridge and lock tenders	4	4	0.0	0.0	0	7.2	1	
53-6021 Parking lot attendants	122	111	0.1	0.1	-11	-8.7	36	
53-6031 Service station attendants	91	98	0.1	0.1	7	7.5	48	
53-6041 Traffic technicians	6	7	0.0	0.0	1	14.1	3	
53-6051 Transportation inspectors	26	29	0.0	0.0	3	11.4	9	
53-6099 Transportation workers, all other	52	60	0.0	0.0	7	13.9	23	
53-7000 Material moving occupations	4,887	5,292	3.4	3.2	405	8.3	1,801	
53-7011 Conveyor operators and tenders	53	58	0.0	0.0	4	7.7	19	
53-7021 Crane and tower operators	44	48	0.0	0.0	4	8.2	13	
53-7030 Dredge, excavating, and loading machine operators	92	99	0.1	0.1	7	7.1	32	
53-7031 Dredge operators	3	3	0.0	0.0	0	3.7	1	
53-7032 Excavating and loading machine and dragline operators	86	92	0.1	0.1	7	8.0	30	
53-7033 Loading machine operators, underground mining	4	4	0.0	0.0	0	-8.3	1	
53-7041 Hoist and winch operators	6	6	0.0	0.0	0	7.0	2	
53-7051 Industrial truck and tractor operators	635	685	0.4	0.4	50	7.9	170	
53-7060 Laborers and material movers, hand	3,803	4,142	2.6	2.5	339	8.9	1,485	
53-7061 Cleaners of vehicles and equipment	347	376	0.2	0.2	29	8.3	150	
53-7062 Laborers and freight, stock, and material movers, hand	2,430	2,678	1.7	1.6	248	10.2	1,042	
53-7063 Machine feeders and offbearers	148	122	0.1	0.1	-27	-18.0	40	
53-7064 Packers and packagers, hand	877	966	0.6	0.6	89	10.1	253	
53-7070 Pumping station operators	27	21	0.0	0.0	-6	-22.6	6	
53-7071 Gas compressor and gas pumping station operators	5	4	0.0	0.0	-1	-21.3	1	
53-7072 Pump operators, except wellhead pumpers	11	8	0.0	0.0	-2	-22.2	2	
53-7073 Wellhead pumpers	11	8	0.0	0.0	-3	-23.6	3	
53-7081 Refuse and recyclable material collectors	149	163	0.1	0.1	13	8.9	52	
53-7111 Shuttle car operators	3	2	0.0	0.0	-1	-42.4	1	
53-7121 Tank car, truck, and ship loaders	17	15	0.0	0.0	-2	-11.0	5	
53-7199 Material moving workers, all other	58	55	0.0	0.0	-3	-5.3	16	

¹ Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

² 11-0000 through 13-0000 in the 2000 Standard Occupational Classification (SOC)

³ 15-0000 through 29-0000 in the 2000 Standard Occupational

Classification (SOC)

⁴ 31-0000 through 39-0000 in the 2000 Standard Occupational Classification (SOC)

NOTE: Detail may not equal total or 100 percent due to rounding.